

ATTACHMENT A		Date(s)	Compensation Arrangements	Cash Payments Made	Options Issued	Shares Owned
AKHTAR (Employee)	Dr. Kamran	-	Employee Salary	-	EE Options Only	None
BALDWIN (NASA)	Dr. R.	-	-	-	None	None
BONIFACE (Chalk River Labs)	Dr. H.A.	-	-	-	None	None
BRADFORD (PSU Student)	Dr. Michael	9/13/1994	Ad Hoc/ One-time Only	9/13/1994	None	None
CHANG (Employee)	Dr. Zhixiang	-	Employee Salary	-	EE Options Only	None
CHEN (EE & Consultant)	Dr. Chun-Ku	6/1/04-5/31/05	\$50/hour	2/7/2005	EE Options Only	None
CHEN (Employee)	Dr. Xuemin	-	Employee Salary	-	EE Options Only	None
CLARK (INP Greifswald)	Dr. H.R.	-	-	-	None	None
CONRADS (INP Greifswald transferred agrmnt to Conrads)	Dr. Johannes	8/4/99-9/23/05	2 wire transfers	2/14/00 6/12/01	Options granted from 9/9/96 to 8/5/97; some options expired; some options exercised 9/7/06	Some options exercised 9/7/06
CRAIG	Dr. W.Y.	-	-	-	None	None
CRAW-IVANCO (Chalk River Labs)	Dr. M.T.	-	-	-	None	None
DAYALAN (Employee)	Dr. Ethirajulu	-	Employee Salary	-	EE Options Only	None
DHANDAPANI (Employee)	Dr. Bala	-	Employee Salary	-	EE Options Only	None
DONG (EE & Consultant)	Dr. Jinquan	7/30/03-1/31/04 2/1/04-7/31/04 11/16/04-5/1/505	\$35/hour \$45/hour \$45hour	2/28/02 8/20/03	EE Options Only	None
ECHEZURIA (Employee)	Alejandra	-	Employee Salary	-	EE Options Only	None
FRALICK (Semitech)	Dr. G.C.	-	-	-	None	None
FUELLING (U Nevada)	Dr. Stephan	-	-	-	None	None
GAMBERALE	Luca	-	-	-	None	None
GERNERT (Thermacore)	Dr. N.J.	-	-	-	None	None
GOOD (EE & Officer)	William	-	Employee Salary	-	EE & Officer Options Issued Beginning 9/1/92	Shares Owned Beginning 1991

GREENIG (EE & Consultant)	Nelson	11/1/01-10/31/02 11/1/02-10/31/03 3/8/04-3/7/05 3/8/05-3/7/06 3/8/06-3/7/07 3/8/07-3/7/08	\$50/hour \$50/hour \$50/hour \$50/hour \$50/hour \$50/hour	7/19/95 4/27/01 10/14/02	EE Options Only	None
HALDEMAN (MIT Lincoln Labs)	Dr. C.W.	-	-	-	None	None
HE (Employee)	Dr. Jiliang	-	Employee Salary	-	EE Options Only	None
HICKS (Employee)	Steven	-	Employee Salary	-	EE Options Only	None
HILBORN (Chalk River Labs)	Dr. J.W.	-	-	-	None	None
ISELER (MIT Lincoln Labs)	Dr. G.W.	-	-	-	None	None
JACOX (INEL)	Dr. Michael	-	-	-	Options granted 9/9/96 to 3/3/97; all options expired	None
JANSSON (Rowan U)	Dr. Peter M.	6/10/02-10/31/02 (contract)	\$100 \$10	10/17/97 12/31/2002	None	Purchased shares 7/2/97; gifted to ex-wife and son 5/1/07
KNEIZYS	S.	-	-	-	None	None
KRYUKOV (Moscow Power Engineering Institute)	Dr. A.P.	-	-	-	None	None
KURTZ (PSU)	Dr. Stewart	-	-	-	Options granted 9/9/96 to 11/8/02; some expired	None
LEE (U of Ohio)	Dr. Jang-Jung	-	-	-	None	None
LU (EE & Consultant)	Dr. Ying	8/6/01 5/9/03-5/16/03 5/27/03-5/30/03 5/30/03-6/30/03 7/1/03-7/31/03 8/1/03-1/30/04	\$100/hour \$80/hour \$80/hour \$45/hour \$45/hour \$45/hour	10/01/01 5/23/03	EE Options Only	None
MARCHESE (Rowan U)	Dr. Anthony J.	6/10/02-10/31/02 (contract)	\$10 non-material	12/31/2002	None	None
MAYO (EE & Consultant)	Dr. Robert	6/8/01-8/8/01	\$50/hour	7/23/2001	EE Options Only	None
MEYERS (NASA)	Dr. I.	-	-	-	None	None
MILLER (Lehigh U)	Dr. Alfred	-	\$250	6/12/1997	Options granted 9/9/96 to 3/3/97; all options expired	None

MILLS (EE & Director)	Dr. Randell		Employee Salary	-	EE & Director Options Issued Beginning 9/9/96	Shares Owned Beginning 1991
NANSTEEL (EE & Consultant)	Dr. Mark W.	3/30/05-3/29/06 3/30/06-3/29/07 3/30/07-8/31/08	\$80/hour \$80/hour \$80/hour	8/24/2005	EE Options Only	None
NESTEROV (Moscow Power Engineering Institute)	Dr. S.B.	-	-	-	None	None
NIEDRA (NASA)	Dr. J.	-	-	-	None	None
NONINSKI (Brookhaven)	Dr. V.	-	-	-	None	None
ONUMA (Employee)	Dr. Takeyoshi	-	Employee Salary	-	EE Options Only	None
PACIFICORP		-	-	-	Options granted 4/7/97 to 4/27/98; some options expired	Purchased shares 9/20/96 & 7/2/97; transferred all shares to ScottishPower Ventures, Inc. 6/21/07
PETERSON (Westinghouse)	Dr. S.H.	-	-	-	None	None
PHILLIPS (PSU,UNM,LANL)	Dr. Jonathan	2/1/96-1/31/97 1/1/97-4/30/97 3/15/00-3/18/00 10/8/01-4/8/02 4/8/02-10/8/02 10/9/02-10/8/03 10/9/03-10/8/04 10/9/04-10/8/05 10/9/05-10/8/06 10/9/06-10/807	\$100/hour Options Only \$5,000 \$125/hour \$125/hour \$125/hour \$100/hour \$100/hour \$100/hour \$100/hour	4/26/95 5/9/00	Options granted 9/9/96-1/14/06; some options exercised	Some options exercised 9/1/06 & 2/20/07
RAY (Employee)	Dr. Paresh	-	Employee Salary	-	EE Options Only	None
SANKAR (EE & Consultant)	Dr. Jayasree	3/17/03-3/16/04 3/22/04-3/21/05	\$50/hour \$50/hour	-	EE Options Only	None
SAVOYE (MIT Lincoln Labs)	Dr. G.W.	-	-	-	None	None
SCHARER (U Wisconsin)	Dr. John	1/5/05-1/4/06 1/5/06-1/4/07 1/5/07-1/4/08	\$800/day \$100/hour \$110/hour	11/14/2005	None	None
SCHMALZEL (Rowan U)	Dr. John L.	6/10/02-10/31/02 (contract)	\$10 non-material	12/31/2002	None	None
SHANNON (Employee)	Tina	-	Employee Salary	-	EE Options Only	None
SHAUBACH (Thermacore)	Dr. R.M.	-	-	-	None	None
SIMMONS (Lehigh U)	Dr. G.	-	-	-	None	None
TREMBLAY (Chalk River Labs)	Dr. R.P.	-	-	-	None	None

TURNER (<i>Spectral Data</i>)	Dr. Gary L.	-	-	-	None	None
VOIGT (<i>EE & Consultant</i>)	Dr. Andreas	8/27/04-8/26/05	\$50/hour	-	EE Options Only	None
WATTS (<i>INEL</i>)	Dr. K.D.	-	-	-	None	None
WEISMANN	Dr. H.	-	-	-	None	None
WIESMANN	Dr. H.	-	-	-	-	-
WRUBEL (<i>INP Greifswald</i>)	Dr. Th.	-	-	-	None	None
ZEA (<i>Employee</i>)	Dr. Hugo	-	Employee Salary	-	EE Options Only	None

ATTACHMENT B**MASTER LIST OF CITED AND SUBMITTED DOCUMENTS**

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Letter from Senator Robert G. Torricelli to Nicholas P. Godici with attachments, July 20, 2001 (see Attachment O)

Letter from Senator Jon S. Corzine to The Honorable Todd Q. Dickinson with attachments, August 2, 2001 (see Attachment O)

Letter from Senator Max Cleland to Ms. Jane Cooksey with attachments, March 24, 2000 (see Attachment O)

Letter from Senators Max Cleland and Ron Wyden to Chairman Patrick Leahy, December 20, 2001 (see Attachment O)

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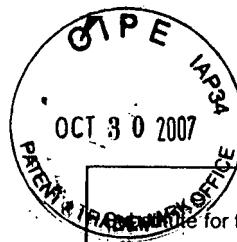
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 INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT

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Sheet	1	1	Attorney Docket Number	8AC4-DIV1
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OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	113	R. Mills, "Physical Solutions of the Nature of the Atom, Photon, and Their Interactions to Form Excited and Predicted Hydrino States", New Journal of Physics submitted		
	106	R. L. Mills, "Exact Classical Quantum Mechanical Solution for Atomic Helium Which Predicts Conjugate Parameters from a Unique Solution for the First Time", Annales de la Fondation Louis de Broglie, submitted		
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Substitute for form 1449B/PTO				<i>Complete if Known</i>	
				Application Number	09/501,621
				Filing Date	02/09/2000
				First Named Inventor	Mills
				Group Art Unit	1754
				Examiner Name	Langel
Sheet	1	of	4	Attorney Docket Number	

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		R. Mills, P. Ray, B. Dhandapani, W. Good, P. Jansson, M. Nansteel, J. He, A. Voigt, "Spectroscopic and NMR Identification of Novel Hydride Ions in Fractional Quantum Energy States Formed by an Exothermic Reaction of Atomic Hydrogen with Certain Catalysts," J. Phys. Chem. A, submitted. (Web Publication Date: Feb. 21, 2003.) Attachment 81	
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		J. Phillips, R. L. Mills, X. Chen, "Water Bath Calorimetric Study of Excess Heat in 'Resonance Transfer' Plasmas," Journal of Applied Physics, submitted. Attachment 77	
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				Examiner Name	Langel
Sheet	2	of	4	Attorney Docket Number	

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		R. L. Mills, P. C. Ray, R. M. Mayo, M. Nansteel, B. Dhandapani, J. Phillips, "Spectroscopic Study of Unique Line Broadening and Inversion in Low Pressure Microwave Generated Water Plasmas," Physics of Plasmas, submitted. Attachment 74			
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		R. L. Mills, P. Ray, B. Dhandapani, J. Dong, X. Chen, "Power Source Based on Helium-Plasma Catalysis of Atomic Hydrogen to Fractional Rydberg States," J. Mol. Struct., submitted. Attachment 71			
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		R. L. Mills, J. Sankar, A. Voigt, J. He, B. Dhandapani, "Spectroscopic Characterization of the Atomic Hydrogen Energies and Densities and Carbon Species During Helium-Hydrogen-Methane Plasma CVD Synthesis of Diamond Films," Chemistry of Materials, in press. (<i>Web Publication Date: Dec. 31, 2002.</i>) Attachment 69			
		R. Mills, P. Ray, R. M. Mayo, "Stationary Inverted Balmer and Lyman Populations for a CW HI Water-Plasma Laser," IEEE Transactions on Plasma Science, submitted. (<i>Web Publication Date: Aug. 16, 2002.</i>) Attachment 68			

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		R. L. Mills, P. Ray, B. Dhandapani, J. He, "Extreme Ultraviolet Spectroscopy of Helium-Hydrogen Plasma," J. Phys. B, submitted. (<i>Web Publication Date: July 17, 2002.</i>) Attachment 67			
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		R. L. Mills, A. Voigt, B. Dhandapani, J. He, "Synthesis and Spectroscopic Identification of Lithium Chloro Hydride," Materials Characterization, submitted. Attachment 62			
		R. L. Mills, B. Dhandapani, J. He, "Highly Stable Amorphous Silicon Hydride," Solar Energy Materials & Solar Cells, in press. (<i>Web Publication Date: April 15, 2002.</i>) Attachment 61			

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		R. L. Mills, J. Sankar, A. Voigt, J. He, B. Dhandapani, "Synthesis of HDLC Films from Solid Carbon," Thin Solid Films, submitted. (Web Publication Date: May 3, 2002.) Attachment 60			
		R. Mills, P. Ray, R. M. Mayo, "The Potential for a Hydrogen Water-Plasma Laser," Applied Physics Letters, in press. (Web Publication Date: July 11, 2002.) Attachment 59			
		R. L. Mills, "Classical Quantum Mechanics," Physics Essays, submitted. (Web Publication Date: May 23, 2002.) Attachment 58			
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		R. Mills, P. Ray, R. M. Mayo, "Stationary Inverted Balmer and Lyman Populations for a CW HI Water-Plasma Laser", IEEE Transactions on Plasma Science, submitted.			
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		R. L. Mills, B. Dhandapani, J. He, "Highly Stable Amorphous Silicon Hydride", J of Materials Research, submitted.			

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		R. L. Mills, "Classical Quantum Mechanics", Physica Scripta., submitted.	
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		R. Mayo, R. Mills, "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity for Microdistributed Power Applications", 40th Annual Power Sources Conference, Cherry Hill, NJ, June 10-13, (2002), in press.	
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Sheet	3	of	3	Attorney Docket Number	62-226-8AC4-DIV1

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		R. Mayo, R. Mills, M. Nansteel, "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity", IEEE Transactions on Plasma Science, submitted.	
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		Filing Date	February 9, 2000
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		Examiner Name	Langel
Sheet	1	of	3
Attorney Docket Number			62-226-8AC4-DIV1

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		Roberts, et al. "Hydrogen Balmer alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge." <i>J. Appl. Phys.</i> , Vol 74, No 11, December 1993.		
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U.S. Serial No.: 09/501,621 Inventor: Mills Date: February 6, 2002

Enclosed Items:

Response to final Office Action- 90 pages
Appendix to Response – 168 pages
Petition for Three Months Extension
Notice of Appeal
Rule 132 Declaration of Dr. Mills
Two (2) Information Disclosure Statements
Check: \$650



Copies of following publications of Dr. Mills providing experimental evidence:

1. H. Conrads, R. Mills, Th. Wrubel, "Emission in the Deep Vacuum Ultraviolet from an Incandescently Driven Plasma in a Potassium Carbonate Cell", Plasma Sources Science and Technology, submitted.
2. R. L. Mills, P. Ray, "Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Catalysts", Chem. Phys. Letts., submitted.
3. R. L. Mills, B. Dhandapani, J. He, "Synthesis and Characterization of a Highly Stable Amorphous Silicon Hydride", Int. J. Hydrogen Energy, submitted.
4. R. L. Mills, A. Voigt, B. Dhandapani, J. He, "Synthesis and Characterization of Lithium Chloro Hydride", Int. J. Hydrogen Energy, submitted.
5. R. L. Mills, P. Ray, "Substantial Changes in the Characteristics of a Microwave Plasma Due to Combining Argon and Hydrogen", New Journal of Physics, submitted.
7. R. L. Mills, P. Ray, "High Resolution Spectroscopic Observation of the Bound-Free Hyperfine Levels of a Novel Hydride Ion Corresponding to a Fractional Rydberg State of Atomic Hydrogen", Int. J. Hydrogen Energy, in press.
8. R. L. Mills, E. Dayalan, "Novel Alkali and Alkaline Earth Hydrides for High Voltage and High Energy Density Batteries", Proceedings of the 17th Annual Battery Conference on Applications and Advances, California State University, Long Beach, CA, (January 15-18, 2002), in press.
9. R. Mayo, R. Mills, M. Nansteel, "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Microdistributed Power Applications", IEEE Transactions on Plasma Science, submitted.
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11. R. Mills, E. Dayalan, P. Ray, B. Dhandapani, J. He, "Highly Stable Novel Inorganic Hydrides from Aqueous Electrolysis and Plasma Electrolysis", Japanese Journal of Applied Physics, submitted.
12. R. L. Mills, P. Ray, B. Dhandapani, J. He, "Comparison of Excessive Balmer α Line Broadening of Glow Discharge and Microwave Hydrogen Plasmas with Certain Catalysts", Chem. Phys., submitted.
13. R. L. Mills, P. Ray, B. Dhandapani, J. He, "Spectroscopic Identification of Fractional Rydberg States of Atomic Hydrogen", J. of Phys. Chem. (letter), submitted.
14. R. L. Mills, P. Ray, B. Dhandapani, M. Nansteel, X. Chen, J. He, "New Power Source from Fractional Rydberg States of Atomic Hydrogen", Chem. Phys. Letts., submitted.
15. R. L. Mills, P. Ray, B. Dhandapani, M. Nansteel, X. Chen, J. He, "Spectroscopic Identification of Transitions of Fractional Rydberg States of Atomic Hydrogen", Quantitative Spectroscopy and Energy Transfer, submitted.
16. R. L. Mills, P. Ray, B. Dhandapani, M. Nansteel, X. Chen, J. He, "New Power Source from Fractional Quantum Energy Levels of Atomic Hydrogen that Surpasses Internal Combustion", Spectrochimica Acta, Part A, submitted.
17. R. L. Mills, P. Ray, "Spectroscopic Identification of a Novel Catalytic Reaction of Rubidium Ion with Atomic Hydrogen and the Hydride Ion Product", Int. J. Hydrogen Energy, in press.
18. R. Mills, J. Dong, W. Good, P. Ray, J. He, B. Dhandapani, "Measurement of Energy Balances of Noble Gas-Hydrogen Discharge Plasmas Using Calvet Calorimetry", Int. J. Hydrogen Energy, in press.
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20. R. Mills, P. Ray, "Vibrational Spectral Emission of Fractional-Principal-Quantum-Energy-Level Hydrogen Molecular Ion", Int. J. Hydrogen Energy, in press.
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				First Named Inventor	Mills
				Group Art Unit	1754
				Examiner Name	Langel
Sheet	1	of	3	Attorney Docket Number	

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS					
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		R. Mills, "BlackLight Power Technology-A New Clean Hydrogen Energy Source with the Potential for Direct Conversion to Electricity", Proceedings of the National Hydrogen Association, 12 th Annual U.S. Hydrogen Meeting and Exposition, <i>Hydrogen: The Common Thread</i> , The Washington Hilton and Towers, Washington DC, (March 6-8, 2001), pp. 671-697.			
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Substitute for form 1449A/PTO

OCT 30 2007

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet	1	of	21	Attorney Docket Number	
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U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
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		5,577,090		Moses	11-1996	
		5,593,640		Long, et al.	01-14-1997	

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		First Named Inventor	Mills
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		Examiner Name	Kalafut
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		Office ³	Number ⁴			
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				Filing Date	02/02/2000
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				Group Art Unit	1745
				Examiner Name	Kalafut
Sheet	9	of	21	Attorney Docket Number	

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				Filing Date	02/02/2000
				First Named Inventor	Mills
				Group Art Unit	1745
				Examiner Name	Kalafut
Sheet	10	of	31	Attorney Docket Number	

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				Filing Date	02/02/2000
				First Named Inventor	Mills
				Group Art Unit	1745
				Examiner Name	Kalafut
Sheet	11	of	31	Attorney Docket Number	

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				Group Art Unit	1745
				Examiner Name	Kalafut
Sheet	12	of	31	Attorney Docket Number	

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Sheet	13	of	31	Attorney Docket Number	

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				Group Art Unit	1745
				Examiner Name	Kalafut
Sheet	14	of	21	Attorney Docket Number	

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				Group Art Unit	1745
				Examiner Name	Kalafut
Sheet	15	of	31	Attorney Docket Number	

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				Application Number	09/501,621
				Filing Date	02/02/2000
				First Named Inventor	Mills
				Group Art Unit	1745
				Examiner Name	Kalafut
Sheet	16	of	31	Attorney Docket Number	

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Substitute for form 1449B/PTO

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(use as many sheets as necessary)

Sheet	17	Of	21	Attorney Docket Number	
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				Group Art Unit	1745
				Examiner Name	Kalafut
Sheet	18	of	21	Attorney Docket Number	

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				Examiner Name	Kalafut
Sheet	19	of	21	Attorney Docket Number	

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				Examiner Name	Kalafut
Sheet	20	of	21	Attorney Docket Number	

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Sheet	21	of	21	Attorney Docket Number	

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		4. Mills et al., "Fractional Quantum Energy Levels of Hydrogen," <i>Fusion Technology</i> , Vol. 28, No. 4, November, (1995), pp. 1697-1719. (Internet Publication Date: Nov. 1, 2001.)			
		3. Mills et al., "Dihydriino Molecule Identification," <i>Fusion Technology</i> , Vol. 25, 103-119 (Jan. 1994). (Internet Publication Date: April 11, 2001.).			
		Mills Technologies. "1KW Heat Exchanger System." <i>Thermacore, Inc.</i> , Oct 11 1991, pp. 1-6			
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		Mills, "Classical Quantum Mechanics." <i>Physica Scripta</i> , submitted.			
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Examiner Signature			Date Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (Modified)

Substitute for form 1449B/PTO				Complete if Known	
				Application Number	09/501,621
				Filing Date	02/02/2000
				First Named Inventor	Mills
				Group Art Unit	1745
				Examiner Name	Kalafut
Sheet	31	of	31	Attorney Docket Number	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
		Mills, "Author's response 'A possible trick of Hydride atom', " <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, p. 1225.			
		Mills, "BLACKLIGHT POWER TECHNOLOGY: A New Clean Energy Source with the Potential for Direct Conversion to Electricity," <i>International Conference on Global Warming and Energy Policy</i> , Ft. Lauderdale, Florida, November 26-28, 2000. Internet Publication 1/19/01			
		Mills, "Hydro catalysis Power Technology," <i>Statement of Dr. Randell L. Mills</i> , May, 1993.			
		Mills, "The Grand Unified Theory of Classical Quantum Mechanics," pp. 1-9			
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		Mills, "Power Spectrum of the Cosmic Microwave Background" <i>BlackLight Power, Inc.</i> 2001.			
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Examiner			Date		

Copies of Documents Listed on SB08A and B Forms Filed in:

U.S. Serial No.: 09/501,621 Inventor: Mills Filing Date: 2/9/2000

Examiner: Kalafut Art Unit: 1745 08AC4-DIV1

Today's Date: 30 October 2007